



ELSEVIER

Computers in Industry 46 (2001)

**COMPUTERS IN
INDUSTRY**

www.elsevier.com/locate/compind

Author index to volume 46

Arai, T., Y. Aiyama, M. Sugi, and J. Ota , Holonic assembly system with Plug and Produce	289
Aiyama, Y. , <i>see</i> Arai, T.	289
Bai, Y.B. , and X.W. Xu, Object Boundary Encoding — a new vectorisation algorithm for engineering drawings	65
Balasubramanian, S., R.W. Brennan and D.H. Norrie , An architecture for metamorphic control of holonic manufacturing systems	13
Bluemink, G.-J. , <i>see</i> Heikkilä, T.	315
Brennan, R.W. , and D.H. Norrie, Evaluating the performance of reactive control architectures for manufacturing production control	235
Brennan, R.W. , <i>see</i> Balasubramanian, S.	13
Chin, K.-S. , <i>see</i> Tang, D.	75
Colquhoun, G.J. , <i>see</i> Hubel, H.	149
Costa, C.A., J.A. Harding and R.I.M. Young , The application of UML and an open distributed process framework to information system design	33
Giebels, M.M.T., H.J.J. Kals and W.H.M. Zijm , Building holarchies for concurrent manufacturing planning and control in EtoPlan	301
Han, M.C. , <i>see</i> Lee, S.	123
Harding, J.A. , <i>see</i> Costa, C.A.	33
Heikkilä, T., M. Kollingbaum, P. Valckenaers and G.-J. Bluemink , An agent architecture for manufacturing control: manAge	315
Hsieh, K.-L. , and L.-I. Tong, Optimization of multiple quality responses involving qualitative and quantitative characteristics in IC manufacturing using neural networks	1
Hsu, M.-S. , <i>see</i> Hsu, Y.-L.	167
Hsu, Y.-L. , and M.-S. Hsu, Weight reduction of aluminum disc wheels under fatigue constraints using a sequential neural network approximation method	167
Hubel, H. , and G.J. Colquhoun, A reference architecture for Engineering Data Control (EDC) in capital plant manufacture	149
Kals, H.J.J. , <i>see</i> Giebels, M.M.T.	301
Khoo, L.-P. , and L.-Y. Zhai, A prototype genetic algorithm-enhanced rough set-based rule induction system	95
Kollingbaum, M. , <i>see</i> Heikkilä, T.	315
Kosmopoulos, D. , and T. Varvarigou, Automated inspection of gaps on the automobile production line through stereo vision and specular reflection	49
Kruth, J.-P., T. Van Genderachter, P.I. Tanaya and P. Valckenaers , The use of finite state machines for task-based machine tool control	247
Langer, G. , <i>see</i> Larsen, M.H.	275

Larsen, M.H., C. Sørensen and G. Langer, Development of a Production Meta Product State Model	275
Lee, K.C. , <i>see</i> Lee, S.	123
Lee, S., K.C. Lee, M.C. Han and J.S. Yoon, On-line fuzzy performance management of Profibus networks	123
Li, Z. , <i>see</i> Tang, D.	75
Lin, F. , and D.H. Norrie, Schema-based conversation modeling for agent-oriented manufacturing systems	259
Liu, Y.W. , <i>see</i> Wang, T.Y.	181
Navet, N. , and Ye-Qiong, Song, Validation of in-vehicle real-time applications	107
Norrie, D.H. , <i>see</i> Balasubramanian, S.	13
Norrie, D.H. , <i>see</i> Brennan, R.W.	235
Norrie, D.H. , <i>see</i> Lin, F.	259
Norrie, D.H. , <i>see</i> Xue, D.	209
Ota, J. , <i>see</i> Arai, T.	289
Song, Ye-Qiong , <i>see</i> Navet, N.	107
Sørensen, C. , <i>see</i> Larsen, M.H.	275
Sun, J. , and D. Xue, A dynamic reactive scheduling mechanism for responding to changes of production orders and manufacturing resources	189
Sugi, M. , <i>see</i> Arai, T.	289
Sun, J. , <i>see</i> Xue, D.	209
Tanaya, P.I. , <i>see</i> Kruth, J.-P.	247
Tang, D., L. Zheng, Z. Li and K.-S. Chin, STEP-based product modeling for concurrent stamped part and die development	75
Tong, L.-I. , <i>see</i> Hsieh, K.-L.	1
Valckenaers, P. , <i>see</i> Heikkilä, T.	315
Valckenaers, P. , <i>see</i> Kruth, J.-P.	247
Van Ginderachter, T. , <i>see</i> Kruth, J.-P.	247
Varvarigou, T. , <i>see</i> Kosmopoulos, D.	49
Wang, T.Y., K.B. Wu and Y.W. Liu, A simulated annealing algorithm for facility layout problems under variable demand in Cellular Manufacturing Systems	181
Wu, C. , <i>see</i> Yan, J.-H.	139
Wu, K.B. , <i>see</i> Wang, T.Y.	181
Xu, X.W. , <i>see</i> Bai, Y.B.	65
Xue, D., J. Sun and D.H. Norrie, An intelligent optimal production scheduling approach using constraint-based search and agent-based collaboration	209
Xue, D. , <i>see</i> Sun, J.	189
Yan, J.-H. , and C. Wu, Scheduling approach for concurrent product development processes	139
Yoon, J.S. , <i>see</i> Lee, S.	123
Young, R.I.M. , <i>see</i> Costa, C.A.	33
Zhai, L.-Y. , <i>see</i> Khoo, L.-P.	95
Zheng, L. , <i>see</i> Tang, D.	75
Zijm, W.H.M. , <i>see</i> Giebels, M.M.T.	301

Subject index to volume 46

Agent technologies	315	Manufacturing control	315
Architecture	149	Manufacturing control architectures	235
Artificial intelligence	189	Manufacturing systems control	13
Automated visual inspection	49	Match-up approach	189
		Modelling	149
Back-propagation neural network (BPNN)	1	Multi-agent systems	315
		Multi-agents	189, 209
CAD	65	Multiple responses	1
CAN	107		
Capital plant	149	Networking for manufacturing automation	123
Colored petri nets	259	Neural network	167
Concurrent engineering	75, 139		
Constraints	209	Optimization	1
		Optimization scheduling	139
Data management	149		
Decentralised production planning	247	Performance evaluation	107
Design	107	Performance management	123
Distributed autonomous system	289	Plug and Produce	289
Distributed control	315	Predictive scheduling	189
		Processing	65
Engineering drawing	65	Product development process	139
		Product life cycle	181
Facility layout	181	Product modeling	75
Fatigue	167	Production Meta Product State Model	275
Finite state machine	247	Profibus-FMS protocol	123
Flexible control	301	PSM	275
Fuzzy logic	123		
Fuzzy network performance manager (FNPM)	123	Qualitative characteristic	1
		Quantitative characteristic	1
Gap measurement	49		
Genetic algorithm	95, 139	Raster	65
		Reactive scheduling	189
Heuristic algorithm	139	Real-time control	13
Holonic control	301	RM-ODP	33
Holonic manufacturing systems	13, 235, 275	Rough sets	95
Holonic system	289	Rule induction	95
Image	65	Schema	259
Implicit constraint	167	Search	209
Information system	33	Semiconductor	1
Integration	301	Simulated annealing	181
Intelligent agent	259	Specular reflection	49
Intelligent manufacturing system	259	Stamped part and die development	75
Intelligent scheduling	209	STEP	75
In-vehicle application	107	Stochastic planning	301
		Structural optimization	167
Machine tool control	247		

Subject index to volume 46

Target rotation time (TRT)	123	Unified Modelling Language (UML)	33
Task-based data model	247	Validation	107
UML	275	Vector	65